

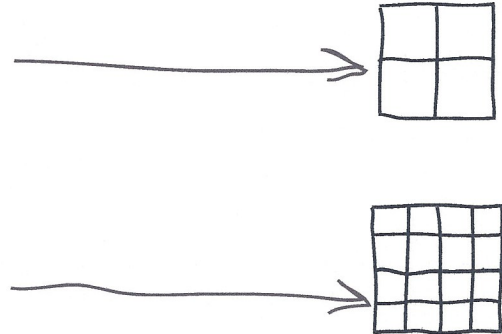
COUNTDOWN CHALLENGE

Exponents with Manipulatives

Complete the tables.

| Area | | | |
|----------------|---------------------|---------------|--------------|
| Length of side | Multiplication Form | Exponent Form | Whole # Form |
| 1 | 1×1 | | 1 |
| 2 | | | 4 |
| 3 | 3×3 | 3^2 | |
| 4 | | 4^2 | |
| 5 | 5×5 | | 25 |
| 6 | | 6^2 | |

Draw the figure below



| Volume | | | |
|----------------|-----------------------|---------------|--------------|
| Length of side | Multiplication Form | Exponent Form | Whole # Form |
| 1 | | 1^3 | |
| 2 | $2 \times 2 \times 2$ | 2^3 | |
| 3 | | | 27 |
| 4 | $4 \times 4 \times 4$ | | 64 |
| 5 | | 5^3 | |
| 6 | $6 \times 6 \times 6$ | | 216 |

